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Fall 2015

BIOS 5590

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University of New Orleans

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SYLLABUS

GEOGRAPHY 5530-001 / BIOS 5590-002, BIOGEOGRAPHY, Fall 2015

Instructor: Peter Yaukey

Class location: Science 2120

Meeting times: Tue Thu 9:30-10:45

Office: Milneburg Hall 354 (280-3164).

Office hours: Tue Thu 11-130, Wed 6-7 pm, or by appointment.

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"It is the glory of God to conceal a thing; but the honor of kings is to search out a matter." - Proverbs 25:2.

<u>DATE</u>	<u>TOPIC</u>
Aug 20	Introduction
25	Basic concepts; Important Places; Biodiversity (4:117-149)
27	Stress & Tolerance (2:38-41, 59-88)
Sep 1	Temperature Stress; Moisture Stress
3	Nutritive & Energetic Stress
8	Predation Stress; Migration
10	Species Introduction
15	Tropical Rainforest Biome (3:91-116)
17	Test One
22	Tropical Savanna Biome
24	to be announced
29	Desert Biome
Oct 1	Chaparral & Midlatitude Grassland Biomes
6	Midlatitude Deciduous Forest Biome; Boreal Forest Biome
8	Tundra Biome
13	Exercise 1
15	Fall Break
20	Ice Ages and dispersal (12:369-407)
22	Divergence (6:143-158); dispersal and disjunct distributions (2:41-59)
27	Test Two
29	Nearctic Realm, Palearctic Realm (11:329-366)
Nov 3	Neotropical Realm
5	Ethiopian Realm; Oriental Realm
10	Australian Realm
12	Antarctic and Oceania Realms
17	Island Patterns; Island Biogeography (8:223-262)
19	Preserve Design; Extinction; Forest Destruction
24	Test Three
26	Thanksgiving- no class- go eat a bird endemic to the Americas
Dec 1	to be announced
3	Review
Thu 10	Final Exam, 10:00 - 12:00

TEXT: *Biogeography*, by C.Barry Cox and P.D. Moore, 8th ed., 2010, Wiley.

If you need a makeup exam, see me beforehand, or provide a verifiable excuse. Extenuating circumstances are necessary (stranded by a hurricane, treed by a moose, captured by aliens, Intercollegiate athletic event, etc.). Attendance will be recorded daily. After two unexcused absences, each unexcused absence will result in 2% being dropped from final score. Final drop date is Oct 14.

GRADING:

3 exercises @ 100 points each	= 300 points
3 exams @ 100 points each	= 300 points
Final Exam @ 200 points	= 200 points
Graduate Term Paper	= 100 points
Total	= 900 points

SATURDAY ZOO EXERCISE- An exercise will be conducted at the Audubon Zoo. The instructor will lead a trip to the zoo on Saturday, Nov 21 (date subject to change). Those who cannot participate that day will be given a handout and asked to complete the exercise on their own. Students must pay their own admission.

TERM PAPER

Graduate students must complete a **term paper** of 10 or more pages on a subject of their choosing, due 7 May. Eight or more refereed sources must be cited. Clear the topic with the instructor.

STUDENT LEARNING OBJECTIVES

Graduate students will be expected to demonstrate more detailed and sophisticated understanding of course information and concepts on tests and exercises than undergraduates, and to analyze, synthesize, and evaluate these concepts and apply them to novel settings and circumstances. After successfully completing this course, students will be able to:

- Understand, explain, and apply important concepts and principles governing the distribution of plants and animals on the globe, including ecological and historical factors.
- Describe the basic biomes of the globe, and the how their characteristics result from their organisms' tolerance of environmental stresses that affect their distribution.
- Locate major and minor biogeographic locations and features on maps of the globe.

ACADEMIC INTEGRITY

Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty will not be tolerated. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty. Refer to the UNO Judicial Code for further information. The Code is available online at http://www.uno.edu/~stlf/policy%20Manual/judicial_code_pt2.htm.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Students who qualify for services will receive the academic modifications for which they are legally entitled. It is the responsibility of the student to register with the Office of Disability Services each semester and follow their procedures for obtaining assistance.